

WHAT IS CLAIMED IS:

1. A storage device system comprising:

a plurality of storage devices in which information is stored;

a storage device control section for controlling storage of information in said plurality of storage devices;

a connection unit connected to said storage device control section; and

a first communication control section including: a first processor that is connected to said storage device control section via said connection unit and also connected on a first network external to said storage device system, that converts information of a first form received over said first external network into information of a second form, and that issues a request for access to said plurality of storage devices; and a second processor that accesses said plurality of storage devices via said connection unit and said storage device control section in response to the access request issued from said first processor, and that controls activation of said first processor.

2. A storage device system according to Claim 1, further comprising a second communication control

section connected on a second network external to said storage device system, wherein:

said first communication control section is formed with the same circuit board as said second communication control section is.

3. A storage device system according to Claim 1, wherein:

said first processor diagnoses the hardware thereof;

said second processor issues a request for start of hardware diagnosis of said first processor to said first processor.

4. A storage device system according to Claim 3, further comprising a management terminal connected to each of said first communication control section and said second communication control section, wherein:

said second processor issues a request for start of first processing to said first processor; and

said first processor acquires first software from said management terminal in response to the first processing start request issued from said second processor.

5. A storage device system according to Claim 4,

wherein said first processor acquires second software from said management terminal under the control of the first software acquired from said management terminal, and writes the second software in said plurality of storage devices via said connection unit and said storage device control section.

6. A storage device system according to Claim 5, wherein:

said second processor issues a request for start of second processing to said first processor;

said first processor acquires the second software written in said plurality of storage devices via said connection unit and said storage device control section in response to the second processing start request issued from said second processor.

7. A storage device system according to Claim 4, wherein both the first processing start request and second processing start request contain time instant information.

8. A storage device system according to Claim 1, wherein:

said first communication control section includes a storage device in which third software is stored;

said first processor activates the third software so as to activate said first communication control section, and waits for a request issued from said second processor.

9. A storage device system according to Claim 8, further comprising a second communication control section that is connected on a second network external to said storage device system, wherein:

said first communication control section is formed with the same circuit board as said second communication control section is.

10. A storage device system according to Claim 9, wherein:

said first processor diagnoses the hardware thereof; and

said second processor issues a request for start of hardware diagnosis of said first processor to said first processor.

11. A storage device system according to Claim 10, further comprising a management terminal connected to each of said first communication control section and said second communication control section, wherein:

said second processor issues a request for start of

first processing to said first processor; and

said first processor acquires first software from said management terminal in response to the first processing start request issued from said second processor.

12. A storage device system according to Claim 11, wherein said first processor acquires second software from said management terminal under the control of the first software acquired from said management terminal, and writes the second software in said plurality of storage devices via said connection unit and said storage device control section.

13. A storage device system according to Claim 12, wherein:

said second processor issues a request for start of second processing to said first processor; and

said first processor acquires the second software written in said plurality of storage devices via said connection unit and said storage device control section in response to the second processing start request issued from said second processor.

14. A storage device system according to Claim 11, wherein both said first processing start request and

said second processing start request contain time instant information.

15. A method of activating a storage device system that comprises a plurality of storage devices in which information is stored, a storage device control section which controls storage of information in said plurality of storage devices, a connection unit connected to said storage device control section, and a first communication control section connected to said storage device control section via said connection unit and also connected on a first network external to said storage device system, wherein:

a first processor that converts information of a first form received over said first external network into information of a second form, and issues a request for access to said plurality of storage devices has the activation thereof controlled by a second processor that accesses said plurality of storage devices via said connection unit and said storage device control section in response to the access request issued from said first processor;

said second processor issues a request for start of hardware diagnosis of said first processor to said first processor; and

said first processor performs hardware diagnosis in

response to the hardware diagnosis start request issued from said second processor.

16. A storage device system activation method according to Claim 15, wherein:

said storage device system includes a management terminal connected to each of said first communication control section and said second communication control section;

said second processor issues a request for start of first processing to said first processor; and

said first processor acquires first software from said management terminal in response to the first processing start request issued from said second processor.

17. A storage device system activation method according to Claim 16, wherein said first processor acquires second software from said management terminal under the control of the first software acquired from said management terminal, and writes the second software in said plurality of storage devices via said connection unit and said storage device control section.

18. A storage device system activation method according to Claim 17, wherein:

said second processor issues a request for start of second processing to said first processor; and

said first processor acquires the second software written in said plurality of storage devices via said connection unit and said storage device control section in response to the second processing start request issued from said second processor.